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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,502	09/30/2003	Stanley E. Woodard	LAR-16516-1	7649
23351	7590 01/31/2005		EXAMINER	
NATIONAL AERONAUTICS AND SPACE ADMINISTR ATION LANGLEY RESEARCH CENTER			BEAULIEU, YONEL	
	BOULEVARD	EK	ART UNIT	PAPER NUMBER
MAIL STOP HAMPTON,	212 VA 236812199		3661	

DATE MAILED: 01/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Supplemental	Application No.	Applicant(s)	
Supplemental Notice of Allowability	10/675,502	WOODARD ET AL.	
House of Allowability	Examiner	Art Unit	
	Yonel Beaulieu	3661	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS
1. A This communication is responsive to papers filed 30 Septe	<u>mber 2003</u> .		
2. The allowed claim(s) is/are <u>1-77</u> .		,	
3. The drawings filed on 6 July 2004 are accepted by the Exa	miner.		
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawin	Office action of	back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGIC	nust be submitted. N AL MATERIAL.	lote the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 2004) 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	
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Art Unit: 3661

Allowable Subject Matter

Claims 1 – 77 of the Application are still allowed. The prior art of record fail to suggest a monitoring system comprising, among other limitations, at least one data acquisition and analysis module (DAAM) mounted on a system/fleet of vehicles, wherein each such DAAM a) collecting data indicative of measurable attributes of the system/vehicles, b) analyzing the data to generate analysis results identifying the state of one or more subsystems of the system based upon the measurable attributes, and c) transmitting at least a portion of the analysis results; a control module mounted on the system/vehicle, wherein the module a) collecting the transmitted analysis results from each DAAM, b) analyzing the analysis results so-collected to generate system status results identifying potential sources of system anomalies based upon the state of one or more of the subsystems, and c) transmitting the analysis results so-collected and at least one portion of the system status results for use by one or more interested organizations.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fichter et al. (US 6,609,051 B2) teaches condition monitoring of vehicles but not a DAAM and a control module mounted to the vehicles that would achieve data collection, data analysis, and transmission of at least a portion of results of the analysis in the manner claimed above; Laguer-Diaz et al. (US 6,718,238 B1) teaches a remote monitoring system wherein data indicative of vehicle operation are

collected and analyzed in order to generate repair recommendations but does not cure the deficiency in Fichter et al. as discussed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yonel Beaulieu whose telephone number is (703) 305-4072. The examiner can normally be reached on M-R, from 0900-1600.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas BLACK can be reached on (703) 305-8233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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